## Cable Switch LHPw-10/2-B up to 100 m



Cable emergency switches are used for quick switching off conveyor belts or other large machines and equipment by pulling the cable connected with a switch. Cable emergency switches serve as a protection e.g. at a fall on the conveyer, trapping by a machine or towing by the cable etc.

Cable emergency switches of LHPw-10/2-B series are intended for being mounted between two cables. The maximum cable length on each side is 50 m . When one of the cables is pulled, the switch contacts are instantaneously switched over and at the same time automatically blocked, which prevents spontaneous switching back. The switch can only be returned to the neutral position manually directly on it by releasing the blockage.

The switch-off cable trajectory with the length of 34 mm minimizes accidental activations which could occur due to the thermal expansion of the cable, see the chart.

Thanks to the equipment by two tension springs SPF-W the requirement of CSN EN ISO 13850 (automatic switch-off in case of the cable break) is met. The switch cabinet id made of colour glass fibre reinforced polyester.

Technical parameters:

| Meets standards | ČSN EN 60947 ČSN EN 60204 ČSN EN 60529 ČSN EN ISO 13850 ČSN EN 620 |
| :---: | :---: |
| Switching trajectory | 34 mm according to the setting of springs for the temperature difference of max. $59^{\circ} \mathrm{C}$ |
| Force necessary for switching | >40N |
| Cable input | 2 holes for $\mathrm{M} 25 \times 1.5$ with a blank flange |
| Cabinet material | glass fibre reinforced polyester |
| Cabinet colour | yellow RAL 1003 |
| Attachment | By two longitudinal M10 bolts |
| Working temperature | $-40^{\circ} \mathrm{C}-+85^{\circ} \mathrm{C}$ |
| Protection class | Class I |
| Number and function of contacts | 2 disconnecting and 2 connecting |
| Protection | IP 67 |
| Load-bearing capacity | 400VAC/6A, 230VAC/8A, 24VDC/10A , 80VDC/3A |

Values for calculating the level of PL properties: $B 10=80,000$ cycles

## Accessories for a single LHPw-10/2B switch:

They must be specified in the order including the number of pieces and length, see the Catalogue Sheet "Cable Switches Accessories".

| Spring with a chain | SPF-W | 2 pcs |
| :---: | :---: | :---: |
| Cable | RL5 | * m |
| Tensioning lock | SPS6 | 2 pcs |
| Eye on the cable | SKA5 | 4 pcs |
| Cable clamp | SKL5 | 8 pcs |
| Cable guide eye | SH_ | * pcs |
| Bushing M25 x 1.5 | M $25 \times 1,5$ | 2 pcs |

* the number will be determined according to assembly documentation depending on the conveyer length

The switch includes a RL5 cable and two SPF-W springs. If a customer uses unsuitable cable or springs, the manufacturer does not assume liability for the correct function of the switch.

Cable emergency switches of LHPw-10/2-B series are produced with the protection class I, where a protective conductor must be led to. The switch must be earthed. If operating conditions require installing any additional protection by the connection at the place of installation, the protective conductor must be led out through one of the bushings at this type. In such a case, the mutual connection of switches cannot do without an additional connection box at every switch or a pair of switches.
To save work and material, it is suitable to use switches with protection class II which need not be earthed (their type is marked " S " in the end).


The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.

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## Switch function



## Correct switch position



Switch contacts


Contact A


Contact B

Contacts of A and B switches in this series (without "E" economy in the name) are fitted with the synchronisation of disconnecting and the lever angle between the disconnection of individual contacts is $0^{\circ}$. We recommend the synchronisation for connections with a safety module.

Order of contacts in the switch


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